

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2004/002572**A. CLASSIFICATION OF SUBJECT MATTER****IPC7 C08F 212/08, C08F 279/12, C08L 51/00**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC7 C08F 212/08, C08F 279/12, C08L 51/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Korean Patents and applications for inventions since 1975Electronic data-base consulted during the international search (name of data base and, where practicable, search terms used)  
CA-on CD, PAJ, KIPASS**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| Y<br>X    | US 6608138 B1 (BASF AKTIENGESELLSCHAFT) 19 August 2003<br>see the whole documents  | 1-6<br>7-14           |
| Y         | US 5852124 A (CHI MEI CORP) 22 December 1998<br>see the whole documents            | 1-6                   |
| A         | US 5932655 A (BAYER CORPORATION) 3 August 1999<br>see the whole documents          | 1-14                  |
| A         | JP 2002-322341 A (ACHILLES CORP) 8 November 2002<br>see the whole documents        | 7-14                  |
| A         | EP 1085050 A1 (ROHM & HAAS) 21 March 2001<br>see the whole documents               | 1-14                  |

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"I" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family


Date of the actual completion of the international search

29 DECEMBER 2004 (29.12.2004)

Date of mailing of the international search report

**29 DECEMBER 2004 (29.12.2004)**

Name and mailing address of the ISA/KR


 Korean Intellectual Property Office  
920 Dunsan-dong, Seo-gu, Daejeon 302-701,  
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

LEE, Suk Ju

Telephone No. 82-42-481-8149



# INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2004/002572

## Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

- I. Claims 1-6 directed to the styrenic thermoplastics composition.
- II. Claims 7-14 directed to an acrylic rubber-modified copolymer.

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any addition fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

PCT/KR2004/002572

| Patent document<br>cited in search report | Publication<br>date | Patent family<br>member(s)                          | Publication<br>date                    |
|---|---------------------|---|--|
| US 6608138 B1                             | 19.08.2003          | WO 200047675 A1<br>DE 10080288 A0<br>DE 19906064 A1 | 17.08.2000<br>15.04.2004<br>17.08.2000 |
| US 5852124A                               | 22.12.1998          | None  |  |
| US 5932655 A                              | 3.08.1999           | CA 2252752 AA                                       | 19.05.1999                             |
| JP 2002-322341 A                          | 8.11.2002           | None  |  |
| EP1085050A1                               | 21.03.2001          | EP1085050A1   | 21.03.2001                             |